

POLAND / Chemical Technology, Chemical Products and H
Their Application, Part 2. - Ceramics, Glass,
Binders, Concretes. - Binders, Concretes and
Other Building Materials.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61755.

Author : Jozef Sikora.

Inst : Not given.

Title : Plaster-of-Paris Industry in German Democratic
Republic.

Orig Pub: Cement. Wapno. Gips, 1958, 14, No 1, 11 - 17.

Abstract: No abstract.

Card 1/1

42

POLAND / Chemical Technology. Chemical Products. H
Ceramics. Glass. Astringents. Concrete.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68230

Author : Sikora, J.
Inst : Not given.
Title : Selective Hydration of Lime.

Orig Pub: Cement. Wapno. Gips., 1958, 14, No 3, 55-58.

Abstract: For the improvement of lime hydration operation, a hydrator (H) that permits separation of the hydrated portion of lime from a portion that has not undergone hydration, is utilized. Such an H consists of a short and deep bath, the front part of which is equipped with a fast rotating mixing device. Fresh lime is fed into H by means of a plate feeder. Steam generated in the process of hydration causes increased agitation and bubbling of H

Card 1/2

MISZERAK, Janusz; SIKORA, Jan

A case of operative treatment of prostatic sarcoma. Pol. przegl. chir. 37 no.4:Suppl:425-427 Ap'65.

1. Z Oddziału Urologicznego Szpitala Miejskiego im. L. Rydygiera w Częstochowie (Ordynator: dr. J. Miszerak) i z Pracowni Histo-
patologicznej przy Szpitalu Miejskim im. dr. T. Chalubinskiego
w Częstochowie (Kierownik: dr. J. Sikora).

KOMLEV, A.I.; SIKORA, K.P.

Exchange of Ag^+ , Pb^{2+} , Mn^{2+} , Cu^{2+} ions bentonite. Ukr.khim.zhur.
28 no.2:205-209 '62. (MIRA 15:3)

1. L'vovskiy gosudarstvennyy universitet im. I.Franko.
(Ion exchange) (Bentonite)

L 16649-65 EWT(m)/EPF(n)-2/ENP(t)/ENP(b) Pu-L IJP(c) JD/JG
S/0032/64/030/012/1443/1444

ACCESSION NR: AP5000156

AUTHORS: Uvarova, K. A.; Sikora, K. P.

TITLE: Analysis of lead niobate and its solid solutions with barium niobate

SOURCE: Zavodskaya laboratoriya, v. 50, no. 12, 1964, 1443-1444

TOPIC TAGS: spectrophotometry, titrimetry, niobate/ SF 4 spectrophotometer

ABSTRACT: The authors propose a new method of analyzing lead niobate and lead-barium niobate. The Nb is determined by the peroxide method by means of a calibration curve and the use of an SF-4 spectrophotometer. Pb and Ba are determined by dissolving material in ammonium sulfate and H_2SO_4 . Tartaric acid is added and enough water to clarify. The precipitate is filtered, washed in ammonium sulfate and in water, then dissolved in Trilon B and KOH and heated. After complete solution of the sulfates, methyl thymol carbamate is added and then neutralized with acetic acid till the color becomes yellow. Ammonium sulfate is added with a buffer solution, and this is titrated with cobalt nitrate till the color changes from yellow to blue. After filtering, the precipitate is washed with ammonium sulfate and then placed with the filter in a beaker and dissolved in Trilon B and KOH, with warming. The solution is then cooled, buffered, and titrated with $MgSO_4$ till the

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L 16681-65

ACCESSION NR: AP4045630

atoms, grain boundaries, etc., the slip bands often consisted of thin doubled (parallel to each other and closely located) slip lines. A local transverse slip was caused by the passage of dislocations to another slip plane, and adaptation bands were formed by the activation of supplementary slip planes. Cracking in a fine-grained alloy was caused by the stress concentration at the dislocations accumulated near obstacles. In a coarse-grained alloy, cracking resulted from the formation of kinks caused by the dislocations pinning in the slip plane, or from the absence of other readily available slip planes. The experimental results indicate that the dislocation mechanism assumed by J. Hoss and C. Barret in the compression of zinc single crystals is the most probable mechanism of kink formation in hexagonal metals. Orig. art. has: 2 figures.

ASSOCIATION: Institut metallurgii im. A. A. Baykova (Institute of Metallurgy)

SUBMITTED: 25Apr64

ENCL: 00

SUB CODE: MM

NO REF SOV: 001

OTHER: 004

Card 2/2

SIKORA, Leopold; STRYSZEWSKA, Halina; ORZEL, Eugeniusz

Experiments in minimizing the finishing, time of rolled sections.
Probl proj hut maszyn 13 no.2:50-58 F 65.

1. Institute of Iron Metallurgy, Gliwice.

SIKORA, Ludwik, technik mech.

Pygmy incandescent lamps used for illuminating house numbers.
Gosp paliw 11 Special issue no.(95):50 Ja '63.

1. Mielski Zarzad Budynkow Mieszkalnych, Tychy.

L 16085-65 EWT(m)/EPF(n)-2/EWP(j)/EWP(t)/EWP(b) Pu-4 LJP(c) JD/JG/RM
S/0078/64/009/010/2381/2386

ACCESSION NR: AP4046450

AUTHOR: Limar', T. F.; Slatinskaya, I. G.; Sikora, O. P.

TITLE: Oxalic acid compounds of niobium

SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 10, 1964, 2381-2386

TOPIC TAGS: niobium oxalic acid compound, synthesis, oxaloniobic acid, ammonium oxaloniobate, potassium oxaloniobate, sodium oxaloniobate

ABSTRACT: The process of polythermal crystallization of solid phases from solutions of niobium hydroxide and oxalic acid or ammonium, potassium or sodium oxalate was shown applicable for the synthesis of oxaloniobic acid and its alkali salts. The niobium hydroxide was made by reaction of K_2NbF_7 with NH_4OH ; after filtering and washing the niobium hydroxide was dissolved in saturated oxalate solutions at pH 1. Optimum conditions were crystallization with agitation at temperatures from about 70 to 20-22C for 5-7 hours from solutions having an $Nb:C_2O_4^{2+}$ ratio of 1:3 and containing, after concentration, 1.6-1.8

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L 16085-65

ACCESSION NR: AP4046450

mol/l niobium in the case of $\text{H}_2\text{C}_2\text{O}_4$ or $\text{K}_2\text{C}_2\text{O}_4$ and 2 mol/l in the case of $(\text{NH}_4)_2\text{C}_2\text{O}_4$ and $\text{Na}_2\text{C}_2\text{O}_4$. The products formed were $\text{H}_3\text{NbO}(\text{C}_2\text{O}_4)_3 \cdot 7 \cdot 5\text{H}_2\text{O}$ and in the case of sodium, potassium and ammonium, $\text{Me}_3\text{NbO}(\text{C}_2\text{O}_4)_3 \cdot 2\text{H}_2\text{O}$. 5-10% oxalic acid losses were encountered, especially at the higher temperature due to decomposition: $\text{H}_2\text{C}_2\text{O}_4 \longrightarrow \text{CO}_2 + \text{CO} + \text{H}_2\text{O}$. Pentavalent niobium was recovered as Nb_2O_5 from the mother liquor by precipitation with NH_4OH . The oxaloniobic acid and its salts are water-soluble white crystalline products; the salts are insoluble in acetone, alcohol, ether and carbon tetrachloride, and the acid is hydrolysed by alcohol and acetone. The thermograms showed dehydration of the salts at 100C, decomposition of the Na and K salts at 230-260C and of the ammonium salt at 180C. The acid dehydrated at 76 and 121C, the acid decomposed at 175-185C and Nb_2O_5 formed at 228-250.5C. Orig. art. has: 4 tables and 2 figures

ASSOCIATION: None

SUBMITTED: 13Jun63

SUB CODE: GC

ENCL: 00

NO REF SOV: 004

OTHER: 003

Card 2/2

SIKORA, P.

How to divide the area for the proper felling of trees. p. 23.

LAS POLASKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Lesnictwa i Drzewnictwa) Warszawa, Poland, Vol. 32, no. 13/14, July 1958.

Monthly List of east European Accession (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

SIKORA, Pawel, inz.

Improved evaporating apparatus with applied Korting system.
Gosp paliw 11 Special issue no.(95):16-17 Ja '63.

1. Zaklad Mleczarski Mokotow, Warszawa.

STANDARD AND THE SYMBOL		PROCESSING AND PROPERTIES INDEX	
<p>18</p> <p>SECRET</p> <p>18</p>		<p>18</p>	
<p>The removal of sodium chloride from natural Kainite. Stanislaw Sikora. <i>Przeegl. Chem.</i> 1, 237-9 (1937).—Kainite (K_2O 11.7, K_2SO_4 4.03, KCl 15.07, $MgCl_2$ 1.23, $MgSO_4$ 28.1, $NaCl$ 27.25, insol. 8.3, H_2O 13.0%) is mixed for 20 min. with an equal amt. by wt. of water at an initial temp. of 0° and then sepd. from the brine. The leaching removes 80% of the total $NaCl$, while the loss of K_2O is only 15.5%. The method offers a possibility of obtaining a crude kainite consisting practically of 4 components. Bruno C. Metzner.</p>			
<p>ASD-55.0 METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>18000 170000000</p>		<p>18000 170000000</p>	
<p>18000 170000000</p>		<p>18000 170000000</p>	

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CA SIKORA, S

Potassium fertilizer materials. S. Sikora. *Przemysł Chemicz.* 20, 150-64 (1949). -The present status of the Polish potash industry and the various methods used to prep. K salts are reviewed. Statistics are given also on the various raw materials mined in Germany during 1913, and 1924-37, and finished products and by-products produced by the German potash industry in 1937. Frank Coult.

DETAILED LITERATURE CLASSIFICATION

POLAND/Cosmochemistry. Geochemistry. Hydrochemistry.

P.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 28295

Author : Bobrowinicki, W., Kamick, K., and Sikora, S.

Inst : -

Title : Klodav Potassium Salts.

Orig Pub : Chemik, 10, No 7-8, 199-202 (1957) (in Polish)

Abstract : By their phase composition the salts investigated appear to be mixed and have been shown to contain halite, carnallite, sylvinite, kieserite with small amounts of anhydrite, mud, and in certain horizons, langbeinite. Carnallite appears to be the main mineral. The chemical composition of a number of characteristic samples is given. The deposit is of great commercial importance.

Card 1/1

POLAND/Chemical Technology - Chemical Products and Their Application, Part 2. - Fertilizers.

H-9

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 47377

Author : Włodzimierz Bobrownicki, Stanisław Sikora

Inst : -

Inst : -
Title : Conversion of Kłodavo Carnallite into 40%-ual Potassium Fertilizer and High-Percentual Potassium Chloride.

Orig Pub : *Chemik*, 1957, 10, No 12, 355-361

Abstract : A review of existing methods of KCl separation from mixed K-Mg raw materials. Basic trends of scientific-research works of Polish scientists in this sphere. Description of the technological scheme, accepted for the design of the first Polish works for treating carnallite-kieserite raw material proposed to produce 40%-ual K fertilizer (K_2O) by the usual halurgical method and 98%-ual KCl by decomposing artificial carnallite.

Card 1/1

SIKORA, S.

SCIENCE

Periodicals: CHEMIK. Vol. 11, no. 7/8, July/Aug. 1958.

SIKORA, S. Processing of the Klodawa carnallite kieserite. p. 213.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4,
April 1959, Unclass.

BUNTNER, Edward; SIKORA, Stanislaw

Development trends on research in the Polish potassium salt industry. Przem chem 39 no.6:304-305 Je '60.

Sikora, Teodor

Chem

✓ Production of Tetralon (ethylenediaminetetraacetic acid) and its application in the industry. Teodor Sikora. *Chemist* (Gliwice) 9, 70-2 (1959). --Manuf. of Tetralon (I) in Poland will be based on the German method of I.G. which produces I under the trade name Trilon B. The latter product is a Na salt; the Polish product will be in the form of the acid and will be 99% pure. It is used in such analysis as the detn. of water hardness by titration, and detn. of Fe, Cr, Mg, Cd, Hg, Ni, Co, and Cu by colorimetric methods or by titration. I is used for water-softening, in leather manuf., in rubber and textile industries. Na-Ca salts of I are used as medicine taken internally for curing Pb poisoning. Pb salt of I is sol. and thus Pb can be removed from the body in the urine. F. I. Hendel

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SIK RA, W.

Stratigraphy of the Magura series on the Zowiec sheet in the High Beskids; a summary of a report.

P. 469 (Przegląd Geologiczny, Vol. 4, no. 10, Oct. 1956, Warszawa, Poland)

Monthly Index of East European Accessions (EFAI) LC. Vol. 7, no.2,
February 1958

SIKORA, W.

1053. EFFECT OF PRESSURES ON DEFORMATION OF COAL. Sikora, W.
(Pracel. gorn. (Min. Rev., Katowice), Oct. 1956, vol. 12, Byul. Glav. Inst. Gorn. (Bull. chief Inst. Min.), (3), 28-30; abstr. in Colliery Engng, Apr. 1957, vol. 34, 176). On the assumption that Hooke's law is applicable to coal in situ, work done in breaking up the structure of coal is defined as the area underneath the graph of the stress as a function of the deformation. If the coal structure breaks up at a certain critical deformation, work which has to be done on the coal by cutting, ploughing or other actions will be more or less the total energy required up to the critical deformation which has already been imparted to the coal by roof pressure. Means of regulating this roof pressure in a longwall face to the optimum figure include the degree of stiffness or yield of the roof support elements, the width of the open strip, the compressibility of the packing and the speed of advance. The knowledge of the pattern of stress lines in a coal face in depth may be useful for determining the points of attack by coal cutters or cutter-loaders, etc., for improved gettability. (L).

SIKORA, Wacław

Remarks on the stratigraphy and paleogeography of Krosno deposits
in the forefield of the Otryt Mountain between Szewczenko and
Polana. Kwartalnik geol 3 no.3:569-582 '59. (EEAI 9:7)

1. Karpacka Stacja terenowa Instytutu Geologicznego
(Poland--Geology) (Poland--Paleogeography)
(Carpathian Mountains)

SIKORA, W.; WIESER, T.

The occurrence of bentonities in variegated shells of the Magura Nappe south of Grybow. p. 224.

PREZEGIAD GEOLOGICZNY. Wydawnictwa Geologiczne. Warszawa, Poland, Vol. 7, No. 5, May, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September, 1959.
Uncl.

SIKORA, W.; WIESER, T.

The occurrence of bentonites in variegated shales of the Magura Nappe.
Bul Ac Pol chim 7 no.7:491-496 '59. (EPAI 10:4)

1. Carpathian Field Station, Institute of Geology, Cracow. Presented
by M.Ksiazkiewicz.
(Poland--Bentonite) (Poland--Shale)

SIKORA, W.; WIESER, T.; ZGIET, J.; ZYTKO, K.

Tuff horizons in the Menilite-Krosno series of the Flysch Carpathians.
Bul Ac Pol chim 7 no.7:497-503 '59. (EEAI 10:4)

1. Carpathian Field Station, Institute of Geology, Cracow.

Presented by M.Ksiazkiewicz.

(Poland--Volcanic ash, tuff, etc.) (Poland--Flysh)
(Carpathian Mountains)

BLAICHER, Jadwiga; SIKORA, Wacław

Attempt at aging correlation of the lower border of the Magurskie strata in the northern facies of the eastern part of the Magurska recumbent fold with formations of the external group. Kwartalnik geol 5 no.4:998-999 '61.

1. Karpacka Stacja Terenowa, Instytut Geologiczny, Warszawa.

SIKORA, Wacław; WIESER, Tadeusz

Present state of knowledge and the outlook for prospecting for
bentonites and related rocks in the Polish Flysch Carpathians.
Przegl geol 9 no.12:636-638 '61.

SIKORA, Wacław

Deposit of bentonite and bentonite shale clay in Polany
near Grybow. Kwartalnik geol 6 no.4:800-801 '62.

1. Karpacka Stacja Terenowa, Instytut Geologiczny, Warszawa.

SIKORA, Wacław

Stratigraphy of the Magura series in the Szymbark Ruski region.
Kwartalnik geol 7 no.2:269-281 '63.

1. Instytut Geologiczny, Karpacza Stacja Terenowa, Krakow.

MORGIEL, Janina; SIKORA, Wacław

Microfauna of the Krosno beds of Liskowaty near Ustrzyki Dolne.
Kwartalnik geol 7 no.2:306-318 '63.

1. Instytut Geologiczny, Karpacza Stacja Terenowa, Krakow.

POLAND

SIKORA, Wacław

Geological Institute (Instytut Geologiczny)

Warsaw, Prace geologiczne, No 7, July 1966, pages 301-304

"On some of the more important differences of opinion concerning
Carpathian geology between Polish and Czech geologists."

BILINSKI, A.; SIKORA, W.

Nomograms for the supervision of labor and the prospects of production results in longwalls. Wiadom gorn 13 no.11:407 N '62.

SIKORA, Włodzimierz, dr inż.; KILYBINSKI, Antoni, dr inż.

Workability of Polish coal as to conditioning its natural
properties. Przegl gorn 21 no.2:45-55 F '65.

BILINSKI, Alfred, mgr., inż.; SIKORA, Włodzimierz, dr., inż.

Application of statistical methods to the analysis of results
of productive longwalls with caving. Przegl gorn 18 no.4:Suppl.:
Biuletyn glow Inst Gorn 13 no.1:1-4 '62.

SIKORA, Włodzimierz, dr inż.; BUJOK, Józef, mgr

Experiments in testing the workability of coal by means of radioactive isotopes. Przegl gorn 18 no.12:697-700 D '62.

HURYSZ, Jan, doz. inż.; SIKORA, Włodzimierz, dr inż.

Influence of the technical parameters of caved in long-
walls on the concentration of mining. Przegl gorn 20
[i.e.19] no.9:353-357 S'63.

SIKORA, Włodzimierz, dr. inż.

Means of increasing the productive capacity of longwalls mechanized by combined machinery in the Polish coal industry. Przegl gorn 20 no.11:540-544 N '64.

BORECKI, Marcin, prof. mgr inż.; SIKORA, Włodzimierz, dr inż.

International symposium on working of coal and rocks. Przegl
gorn 20 no.1:9-14 Ja '64.

SIKORA, Włodzimierz, dr. inż.; KUDYBINSKI, Antoni, mgr inż.

Influence of coal cleavage on its cutting resistance. Przegl
gorn 20 no.9:453-458 S '64.

MYSAKOWSKA, J.; SZAGA, N.; GORSKA, S.; CYGAN, E.; SZAREWICZ, W.
SIENKOWSKA, J.; POLYNA, J. (Lublin)

Cases of delay and neglect in the treatment of pulmonary tuberculosis among the rural population. Gruzlica 31 no.6:674-676
Jan 63.

*

MYSAKOWSKA, Helena; SIKORA-ROZYNSKA, Maria; PIETRONI, Eugeniusz

ACTH and corticosteroids in the treatment of tuberculosis. Ann.
univ. Lublin sec. D 15.369-380 '60

1. Z Katedry i Kliniki Pityzjatrycznej Wydziału Lekarskiego Akademii
Medycznej w Lublinie Kierownik: doc. dr med. Helena Mysakowska.
(CORTICOTROPIN ther) (ADRENAL CORTEX HORMONES ther)
(TUBERCULOSIS PULMONARY ther)

MYSAKOWSKA, Helena; PIETRON, Eugeniusz; SIKORA-ROZYNKA, Maria;
SMAGA, Marta; LITWIN, Barbara; RYBICKA-STRIJECKA, Zofia

Results of antibacterial treatment of pulmonary tuberculosis
in patients with primary resistance to drugs. Pol. tyg. lek.
20 no.19:686-688 10 My '65.

1. Z Katedry Ftyzjatrii AM w Lublinie (Kierownik: doc. dr.
H. Mysakowska).

MYSAKOWSKA, Helena; SIKORA-ROZYŃSKA, Maria; GRODZKI, Stanisław

Results of early cycloserine therapy of 50 patients with pulmonary tuberculosis. Polski tygod. lek. 17 no.24:948-951 11.10.1962.

1. Z Katedry i Kliniki Ftyzjatrycznej Wydziału Lekarskiego AM w
Lublinie; kierownik: doc. dr H. Mysakowska.
(CYCLOSERINE ther) (TUBERCULOSIS PULMONARY ther)

MYSAKOWSKA, Helena; SIKORA-ROZYNSKA, Maria; SZAREWICZ, Wieslawa

A brief outline of tuberculosis control in the Lublin Region
and a plan for its eradication. Gruzlica 31 no.6:526-532
Je'63.

1. Klinika Ftizjetryczna AM, Lublin.

SIKORA-SCHIRLE, Wanda

Experiences with isoniazid treatment of cutaneous tuberculosis in the
Lodz Military Academy Dermatological Clinic. Przegl.derm.,Warsz.
8 no.1:41-52 Jan-Feb 58.

1. Z Kliniki Dermatologicznej A.M. w Lodzi. Kierownik doc. dr. . .
J. Lutowiecki. Adres: Lodz, Klinika Dermatologiczna Akademii Medycznej,
ul. Tramwajowa 15.

(TUBERCULOSIS, CUTANEOUS, ther.
isoniazid (Pol))

(ISONIAZID, ther. use.
cutaneous tuberc. (Pol))

SIKORA-SCHIRLE, W.; WOZNIAK, I.L.

Histo-topography of epidermal changes in the ground substance
and fibrous connective tissue in foci of chronic lupus erythematosus.
Przegl. dermat. 48 no.8/10:177-190 '61.

1. Z Kliniki Dermatologicznej A.M. w Lodzi Kierownik: Prof. dr med.
J. Lutowiecki i z Zakladu Anatomii Patologicznej A.M. w Lodzi
Kierownik: Prof. dr med. A. Pruszczyński.
(LUPUS ERYTHEMATOSUS pathol)
(SKIN pathol)

1. KATS, M. I.; SIKROV, N. K.
2. USSR (600)
4. Petroleum
7. Spectra of fluorescence of petroleums and their fractions in liquid state and in chromatographic column. Izv.AN SSSR. Ser.fiz. 15 no.6, 1951.
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

EXCERPTA MEDICA Sec 5 Vol. 10/11 Pathology Nov 57

3274. SIKOROWA L. Zakt. Patol. Inst. Onkol., Marii Skłodowskiej-Curie, Warszawa. * Onkocytoma malignum. Malignant oncocyoma NOWOTWORY 1957, 7/1-2 (125-131) Illus. 13

Description of 2 cases in the parotid gland and in a submaxillary salivary gland respectively. The tumours were composed of epithelial cells with characteristic acidophil granules in the cytoplasm; the nucleus is as a rule small and pyknotic. These cells are called oncocytes. Malignancy was diagnosed on the grounds of atypia of the cells, invasiveness and metastases to the submandibular lymph nodes, and the nodes of the neck in one case and of 3 postoperative recurrences in the 2nd case. (V, 16)

SIKOROWA, Ludwika

Acinose adenocarcinoma of the salivary glands. Nowotwory 12 no.3:
179-190 '62.

1. Z Zakladu Patologii Instytutu Onkologii w Warszawie Kierownik: prof.
dr med. J. Laskowski Dyrektor: prof. dr med. W. Jasinski.
(SALIVARY GLAND NEOPLASMS)

TARLOWSKA, Ludwika; SIKOROWA, Ludwika

Studies on the factors responsible for the results of radiotherapy of cancers of the corpus uteri. Nowotwory 12 no.3:191-202 '62.

1. Z Oddziału Onkologii Ginekologicznej Instytutu Onkologii w Warszawie
Kierownik: doc. dr med. L. Tarłowska i z Zakładu Patologii Kierownik:
prof. dr med. J. Laskowski Dyrektor: prof. dr med. W. Jasinski.
(UTERINE NEOPLASMS)

SIKOROWA, Ludwika

Muco-epidermal salivary gland tumor. Rozpr. wydz.nauk med. 8
no.2:205-224 '63.

1. Adiunkt Zakladu Patologii Instytutu Onkologii w Warszawie.

*

TARLOWSKA, Ludwika; SIKOROWA, Ludwika

Uterine cancers secreting mucus. Nowotwory 15 no.3:239-248
Jl-S '65.

1. Z Oddziału Onkologii Ginekologicznej Instytutu Onkologii w
Warszawie (Kierownik: doc. dr. med. L. Tarłowska) i z Zakład:
Patologii (Kierownik: prof. dr. med. J. Iaskowski; Dyrektor:
prof. dr. med. W. Jasirski).

TEMPSKI, Julian; DZIECIOLOWSKI, Gyzmut; SIKOROWA, Wanda

Agranulocytosis during therapy of syphilis. Przegl.derm. Wares.
5 no.3:205-212 Wy-Je '55.

1. Z Kliniki Dermatologicznej A.M. w Lodzi w dyrektora: dr. H.
Prochacki. i z I Kliniki Choro6 Wewnstrznych A.M. w Lodzi.
Dyrektor:prof. dr J.W. Grott. Loda, Klinika Dermatologiczna
Akademii Medycznej, Tramwajowa 15.

(AGRAMULOCYTOSIS, etiology and pathogenesis,
arsenical & bismuth ther. of syphilis)

(SYPHILIS, therapy.

arsenical & bismuth, causing agranulocytosis)

(ARSENICALS, therapeutic use,

syphilis, with bismuth, causing agranulocytosis)

(BISMUTH, therapeutic use,

syphilis, with arsenicals, causing agranulocytosis)

SIKOROWSKA, C

Determination of zinc by paper chromatography. W. Hermanowicz and C. Sikorowska. *Przemysl Chem.* 31(8), 238-41(1954).—A micro-method is described for detg. Zn as a trace element in water. The method consists of separating the Zn from other metals by paper chromatography and detg. the Zn colorimetrically with dithionite. The method can be used successfully with water samples containing as little as 0.05 mg. of Zn/l. with water samples containing as little as 0.05 mg. of Zn/l. *Przemysl Chem.*

S. KOROWSKA, Celina

✓ Lead determination in water by paper chromatography. Witold Hermanowicz (Zaklad Hig. Komunalnej PZH, Warsaw) and Celina Sikorska. *Ges. Woda i Tech. Sanit.* 29, 360-1(1985).—The chromatographic detn. of Pb in water is based on the use of a solvent composed of acetone, iso-BuOH, 1:1 HCl, and acetylacetone in volumetric proportions 30:4:2:1. The sol. for this solvent for metals commonly present in water is Zn 0.95, Fe 0.75, Cu 0.50, Pb 0.25. The detn. is done on 2.5 X 32-cm. strips of Schleicher no. 587 filter paper cut along one direction. The strips are purified by 24-hr. extn. with a mixt. of acetone and 0.1N HCl 2:1. This is done by suspending the strips in a closed cylinder with their lower ends immersed in the soln. to a depth of 1 cm. The soln. after having climbed up through the strips, is absorbed by filter-paper cushions placed between them on the upper support. After extn. the strips are dried in air. A 100-ml sample of water is evapd. in a Pt dish, and the dry residue is dissolved in 0.5 ml. 1:1 HCl. This soln. is then placed across the strips 2.5 cm. from an end: on one 0.01 ml., on another one 0.02 ml., and on three more 0.03 ml. The charged strips are suspended in a closed cylinder with their lower ends, contg. the sample, immersed in the solvent to a depth of 1 cm. When the head of the solvent has risen to about 30 cm. above the sample (2-3 hrs.) the chromatograms are dried in air for 2-3 hrs. One of them, carrying 0.03 ml. of the sample, is developed by spraying with 10% NH₄ and wetting with a soln. of 0.02 g. dithizone in 100 ml. of chloroform. Pb appears as a pink strip which, when a small amt. of the metal is present (0.3-0.5 mg.), disappears in a short time. After detg. in such a way the location of Pb spot on the chromatograms, the corresponding portions of the remaining strips are cut out and Pb is detd. by dithizone method. H. W. L.

SIXOROWSKA, CELINA

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 Determination of lead in water by paper chromatography. Witold Hermusowicz and Celina Sikorowska. Roczniki Państwowego Zakładu Hig. 7, 177-84 (1956) (English summary).—The I concn. in H_2O was detd. by the catalytic cerium method after chromatographic separ. from other electrolytes. A 200-ml. sample of H_2O in a Pt vessel was treated with 5 ml. 5% Na_2CO_3 , evapd. on a water bath, extd. several times with 10% EtOH, filtered into a Pt vessel, evapd. to dryness, dissolved in 0.5 ml. distd. H_2O , and poured into a graduated cylinder. For chromatographic development Whatman No. 1 paper was used. It was cut into 80×4 cm. strips and treated with acetone and 0.1N HCl (2:1). 1.5 cm. from the end of a strip a 0.05-ml. sample was added and developed in a solvent soln. contg. acetone:iso-BuOH:0.01N NaOH (5:4:1) for 2.5 hrs. at room temp. Upon development of a strip the R_f of Zn was 0.70, I₂ 0.54, and Pb and Cu 0.0. The I₂ spots were cut out, eluted with 1 ml. 5% NaOH and 10 ml. H_2O and heated for 10 min. Four samples of eluates were poured into a 100-ml. Nessler tube with 60 ml. H_2O and the I₂ was detd. by means of the catalytic cerium method. By this method it is possible to det. 0.5 μ g. I₂/l. of H_2O . 15 references.

L. J. Piotrowski

PM mk

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(English summary).—Comparative investigations on the estn. of ClO_2 in H_2O in the presence of Cl_2 by means of the iodometric or the o-toluidine method did not show consistent, satisfactory results. However, a fairly selective colorimetric method with tyrosine allowed estn. of ClO_2 from 0.1 to 2.0 mg./l. The method was adapted from one of Hodgden and Ingols (cf. *C.A.* 49: 11386e) and found to work best at pH 4.6 with a ratio of 3.3 moles of ClO_2 per mole of tyrosine. P. Dreyfuss.

R/M mt

POLAND / Analytical Chemistry. Analysis of Inorganic Substances. E-2

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 924.

Author : Hermanowicz, W., Sikorowska, C.
Inst : Not given.

Title : Method for the Determination of Cadmium in Water.

Orig Pub: Roczn. Panstw. zakl. hig., 1958, 9, No 2, 121-126.

Abstract: Water being analyzed (200 ml) is evaporated in a platinum dish, the residue is dissolved in 0.5 ml of HCl (1:1) and the resulting solution is applied to a strip of Whatman No 4 paper (34 x 4 cm.). A mixture of five volumes of acetone, five volumes of acetylacetone, five volumes of amyl alcohol and one volume of 30% acetic acid is used as the developer (Hermanowicz W., Obuchowska I., Przem. chem., 1952, 8, 238). It is chromatographed for 3.5 to

Card 1/3

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Neutralization of chlorophenol taste and odor by the use of chlorine dioxide at the Stettin waterworks. p. 145

GAZ, WODA I TECHNIKA SANITARNA. (Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Sanitarnych, Ogrzewnictwa i Gazownictwa) Warszawa, Poland.
Vol. 33, No. 3, March 1959.

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On the sensitiveness of 2,4,6-trinitrotoluene to impact. Bul Ac
Pol chim 6 no.10:617-620 '58. (HEAI 9:6)

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13 no.6:843-847 N-D'63

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(Formaldehyde) (Pentaerythritol)

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Hygienic valuation of products for the tinting of eyebrows and eyelashes based on the use of *p*-phenylenediamine salicylate. Ewa Sikorska. *Roczniki Państwowego Zakładu Hig.* 6, 22 (1955) (English summary). — *p*-Phenylenediamine and *m*-toluidinediamine are prohibited in Poland as hair staining components of cosmetics because of their skin-irritating and toxic properties. A deriv. of one of these compds., *p*-phenyldiamine, was selected for cosmetic use, and was evaluated chemically and biologically for its suitability. The mol. ratio of base to acid radicals of the compd. is 1:1. Rutter's chromatographic method was used for the sepn. of both components after appropriate chem. treatment. A detailed description of the analytical methods is given. In the case of rabbits, Limbeck's method was used to test the effect of the compd. upon the blood and blood cells. No harmful effects were found with *p*-phenylenediamine in tests on humans. — A. J. P.

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(POISONS metab)

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(DIARRHEA, in infant and child,
caused by Salmonella & shigella (Pol))
(SALMONELIA INFECTIONS, in infant and child,
causing diarrhoea (Pol))
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Dyrektor: dr C. Horoch Doradca naukowy; doc. dr med. W. Mirkowski.
(*SALMONELLA TYPHOSA*,
typing with bacteriophage of strains isolated in epidemic
foci in Poland (Pol))

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An epidemic of water-borne dysentery and diarrhea. Przegl. epidem.
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(DYSENTERY BACILLARY) (DIARRHEA)
(WATER MICROBIOLOGY)

POLAND

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and CECHOWICZ, Lucja; Regional Sanitation-Epidemiology Center (Wojewodzka
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Abstract [English summary modified] : Strains of antibiotic-resistant Salmonella
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Three tables, 1 Soviet, 16 Western references.

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(NERVES, OPTIC, dis.

Leber's atrophy, hered. (Pol))

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PHIL. FIL. C.
(1953)

Janst. J. Janst. -ed. dansk. i. trop., dansk. Uztory przyrodzi toksoplazmoz
wrodziny i wrodziny four cases of congenital toxoplasmosis in dansk PHIL. FIL. C.
INT. J. TROP. MED. GEN. 1952, 4/2 (191-237)

Four cases of congenital toxoplasmosis in infants and children are reported. In all cases the clinical diagnosis was corroborated by complement fixation tests with the toxoplasma antigen and the Sakin-weldman dye test with methylene blue. The mother of the first child suffered from severe periodic headaches diagnosed as hemiparesis. Her child displayed an increased muscular tonus and clonic convulsions. An incipient hydrocephalus was diagnosed. The child died in its 4th year. In the second case showing mental underdevelopment attributed to a previous encephalitis, the fundus of both eyes in the macula lutea was heavily pigmented, but no atrophy of the optic nerve was diagnosed. In addition, frequent convulsions were characteristic. The other 2 cases also showed highly increased muscular tonus. Attempts to isolate toxoplasma failed in all 4 cases, but the complement fixation test was positive.

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(ROLNIK SPOLDZIELCA. Vol. 9 (i.e. 10) no. 16, Apr. 1957, Poland)

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(ALCOHOLISM, psychol.

schizophrenia-like synd. during early chronic
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same)

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Causes of premature births. Pediat. polska 31 no.8:893-900
Aug 56.

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Kier. doc. dr. med. J. Bielicka Z Działu Statystyki Inst. Matki
i Dziecka. Kier. doc. dr. med. M. Lacki, Dyrektor Inst.: prof. dr.
med. Fr. Groer, Warszawa, ul. Korzeniowskiego 9 m. 18.
(LABOR,
premature, causes (Pol))

POLAND

SIKORSKA-KRZYZANOWSKA, Klementyna, PUCHALSKI, Tadeusz,
ROSZKOWSKA, Konstancja, and POCHTARSKA, Jolanta, Second
Clinic of Internal Diseases (II Klinika Chorob Wewnętrznych),
AM [Akademia Medyczna, Medical Academy] in Warsaw (Direct-
or: Docent, Dr. med. E. RUZYLLLO)

"On the Treatment of Staphylococccic Sepsis. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 13, No 4, 21 Jan 63,
pp 144-143.

Abstract: [Authors' English summary] A case of severe
staphylococccic sepsis is reported. The problems of re-
sistance and immunity were considered, and the treatment
was based on the choice of proper bacteriocides and bacterio-
statics. Complete healing was achieved. Of the 39 referen-
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1/1

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POLAND / Analytical Chemistry. Analysis of
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E-3

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57242.

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Inst : Not given.
Title : Investigation of Caprolactam Derivatives. I.
Color Reactions of Caprolactam.

Orig Pub: Chem. anal., 1957, 2, No 1, 44-51.

Abstract: Caprolactam (I) forms characteristic crystalline complexes (description and photographs of the crystals are given) with potassium bismuth iodide (II), with potassium mercuric iodide (III) and with iodine from KI (IV) solution. II in the medium of a dilute H_2SO_4 or HNO_3 yields a dark red crystalline sediment. Sensitivity of the reaction is expressed as 14 mg I per 5 cc of solution.

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